

RECEIVED  
CENTRAL FAX CENTER  
NOV 01 2010

Application No. 10/813,758  
Reply to Final Office Action of August 30, 2010

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Application Number: 10/813,758  
Applicant: Samit Kumar Basu et al.  
Filed: March 31, 2004  
Art Unit: 2624  
Examiner: Nancy Bitar  
Confirmation Number: 5263  
Docket Number: 140361-1/YOD GERD:0123  
Customer No.: 94288  
Title: METHOD AND APPARATUS FOR EFFICIENT  
CALCULATION AND USE OF RECONSTRUCTED PIXEL  
VARIANCE IN TOMOGRAPHY IMAGES

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**CERTIFICATE OF TRANSMISSION OR MAILING**  
37 C.F.R. 1.8

I hereby certify that this correspondence is being transmitted by facsimile to the United States Patent and Trademark Office in accordance with 37 C.F.R. § 1.6(d), or is being transmitted via the Office electronic filing system in accordance with 37 C.F.R. § 1.6(a)(4), or is being deposited with the U.S. Postal Service with sufficient postage as First Class Mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date below:

November 1, 2010

/Seema S. Katragadda/  
Seema S. Katragadda

**AMENDMENT AND RESPONSE TO THE  
FINAL OFFICE ACTION MAILED AUGUST 30, 2010**

Dear Sir:

This is in response to the Office Action mailed on August 30, 2010.

Amendments to the claims are reflected in the listing of claims beginning on page 2 of this response.

Remarks begin on page 9 of this response.